

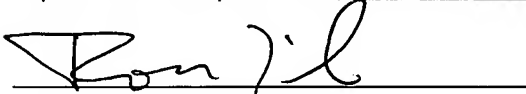
# PATENT

## ABSTRACT

A two-coil pickup having a magnetic flux shield configuration which shields an upper coil from magnetic flux variations caused by unwanted noise and concentrates this noise flux in a lower coil. The magnetic flux shield also concentrates magnetic flux generated by magnets and which envelopes strings of a stringed instrument in the vicinity of the upper coil. The upper coil and lower coil are coupled so that the noise signal generated in the lower coil is subtracted from the signal generated in the upper coil so as to cancel noise therefrom. The resulting output signal has substantially less noise than a one coil pickup. The shield also allows the lower coil to be smaller such that the overall size of the two coil pickup can be small enough to fit into the cavities formed for traditional one coil pickups.

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